Second Grade Math Expectations – First Quarter

**Dear Parents,**

Your child is beginning an exciting year in math.

For the next several weeks, your child will be answering the questions: *What do I already know about math? How can knowing how to add & subtract help me? How can I measure length using standard & non-standard units? How can objects be represented & compared using geometric attributes? How does understanding place value help solve addition & subtraction problems?*

Your child will learn the following:

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| Represent and solve problems involving addition and subtraction. |
| Students will solve addition and subtraction problems within 100. These will include one- and two- step word problems. |
| Add and subtract within 20. |
| Students will fluently add and subtract with sums to 20. |
| Work with equal groups of objects to gain foundations for multiplication. |
| Students will determine whether a group of objects has an odd or even number of members. |
| Understand place value. |
| Students will read and write numerals to 250 using base-ten numerals, number names, and expanded form. |
| Use place value understanding and properties of operations to add and subtract. |
| Students will fluently add and subtract within 25 using strategies based on place value, properties of operation, and/or the relationship between addition and subtraction.  Students will add and subtract within 250, using concrete models, drawings, and/or strategies.  Students will mentally add 10 or 100 to a given number or subtract 10 or 100 from a given number between 100-900. |
| Measure and estimate lengths in standard units. |
| Students will measure the length of an object by selecting and using the appropriate tools, such as rulers, yardsticks, or meter sticks.  Students will measure the length of an object twice using different length units.  Students will measure to determine how much longer one object is than another. |
| Relate addition and subtraction to length. |
| Students will use addition and subtraction within 25 to solve word problems involving length.  Students will represent whole numbers as lengths from zero on a number line. |
| Work with time and money. |
| Students will tell and write time to the nearest five minutes.  Students will solve word problems involving dollar bills, quarters, dimes, nickels, and pennies. |
| Represent and interpret data. |
| Students will measure the lengths of several objects and represent the measurements on a line plot. |
| Reason with shapes and their attributes. |
| Students will recognize and draw shapes(triangles, quadrilaterals, pentagons, hexagons, and cubes) having specific attributes(angles or faces). |

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